

Converting Colors

XYZ(37.0307, 63.1004, 46.1352)

Have a look what the booklet for
XYZ(37.0307, 63.1004, 46.1352)
contains.

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Color

**XYZ(37.1671, 63.3215,
46.3398)**

Conversions

Conversions Part 1

Format	Color
Hex	00EDA6
RGB	0, 237, 166
RGB Percent	0%, 93%, 65%
CMY	0.9999, 0.0706, 0.3490
CMYK	1.00, 0.00, 0.30, 0.07
HSL	162°, 100%, 46%
HSV	162°, 100%, 93%
XYZ	37.1671, 63.3215, 46.3398
YIQ	158.0430, -118.4610, -72.3250

Conversions

Conversions Part 2

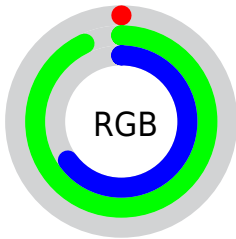
Format	Color
RYB	0, 139, 237
Decimal	60838
CIELab	83.61, -63.73, 21.30
CIELCh	84, 67.194, 161.515
Yxy	63.3215, 0.2531, 0.4313
Android (android.graphics.Color)	4278250918 (0xFF00EDA6)
YUV	158.0430, 3.9228, -138.6037
Hunter-Lab	79.5748, -55.8837, 21.1753

Details

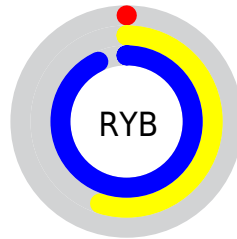
The XYZ color **37.1671, 63.3215, 46.3398** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.0649, 18.4611, 7.6288**, and the grayscale version is **32.5448, 34.2397, 37.2870**.

A 20% lighter version of the original color is **55.3667, 80.1200, 80.9532**, and **19.3585, 33.8574, 21.4344** is the 20% darker color. If you saturate the color by 10%, you get **37.1676, 63.3235, 46.3371**, and if you desaturate by 10%, it is **38.2084, 63.7826, 49.8851**.

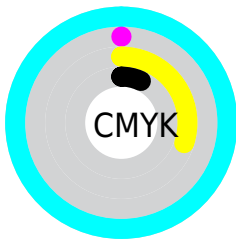
Distribution



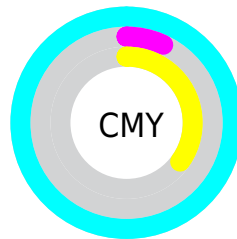
- Red (0%)
- Green (93%)
- Blue (65%)



- Red (0%)
- Yellow (55%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1671, 63.3215, 46.3398 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.1671, 63.3215, 46.3398 by changing the saturation by 10% instead.


 37.1671, 63.3215,
46.3398


 37.1671, 63.3215,
46.3398


325.3764,
436.7353, 388.4903


 25.5112, 46.1013,
32.1634


 70.1419, 109.6332,
86.0669


 16.5891, 32.3258,
21.2205


 92.1914, 139.4935,
112.4548

 10.0354, 21.6105,
13.0925


 118.4362,
174.3361, 143.7503

 5.4849, 13.5710,
7.3608

 149.2416,
214.5452, 180.3719

 2.5721, 7.8229,
3.6069

 184.9730,
260.5053, 222.7381

 0.9318, 3.9818,
1.4123

225.9957,

 0.0000, 1.6634,

312.6007, 271.2676

0.1513

272.6750,
371.2160, 326.3788

■ 0.0000, 0.3998,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1671, 63.3215,
46.3398

■ 37.1671, 63.3215,
46.3398

■ 37.1676, 63.3235,
46.3371

■ 38.2084, 63.7826,
49.8851

■ 39.7365, 64.4888,
53.6425

■ 41.8957, 65.5160,
57.6230

■ 44.7703, 66.9077,
61.8334

■ 48.4312, 68.7003,
66.2797

■ 52.9404, 70.9259,
70.9675

■ 58.3539, 73.6130,
75.9021

■ 64.7223, 76.7878,
81.0884

■ 72.0927, 80.4746,
86.5311

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3317, 63.3215, 24.3695



37.1671, 63.3215, 46.3398



36.5261, 63.3215, 86.3958

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.1671, 63.3215, 46.3398



66.0040, 63.3215, 182.5276



83.9195, 63.3215, 28.0152

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.1671, 63.3215, 46.3398



36.0649, 18.4611, 7.6288

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3362, 63.3215, 54.0204



37.1671, 63.3215, 46.3398



80.9242, 63.3215, 149.0270

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.1671, 63.3215, 46.3398



51.6634, 63.3215, 177.6980



91.1585, 63.3215, 97.9184



69.5960, 63.3215, 17.1528

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.1671, 63.3215, 46.3398



39.1672, 63.3215, 120.4889



91.1585, 63.3215, 97.9184



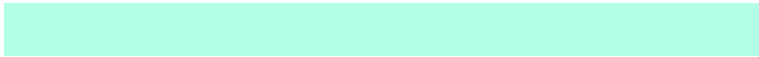
87.6309, 63.3215, 34.7063

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.1688, 63.3240, 46.3413



68.8118, 86.8749, 89.5449



32.8929, 61.9148, 10.2179



14.1220, 18.2933, 18.6310



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.1688, 63.3240, 46.3413



43.8561, 74.7584, 54.5534



33.6158, 42.7725, 86.6078



15.3142, 17.0405, 18.3377



20.3521, 34.5953, 25.6169



1.6402, 2.7334, 2.2333

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.0649, 18.4611, 7.6288



42.5585, 21.7874, 8.8733



35.9600, 20.0723, 1.9799



15.2512, 15.1283, 16.6081



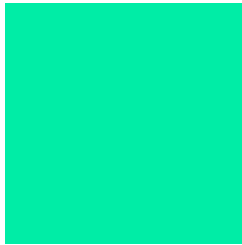
19.7394, 10.0985, 4.4291



1.5911, 0.8094, 0.5643

Previews

White Background



This preview shows how the XYZ color 37.1671, 63.3215, 46.3398 looks on a white background.

Color Contrast Check

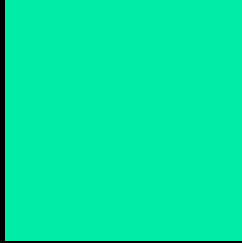
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.1671, 63.3215, 46.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

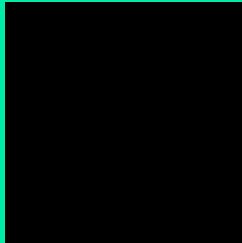
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1671, 63.3215, 46.3398

Background



This preview shows how black text looks on a background with the XYZ color 37.1671, 63.3215, 46.3398.

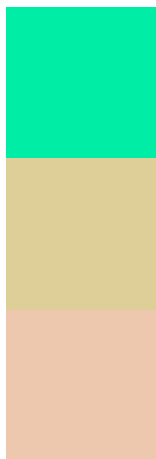


This preview shows how white text looks on a background with the XYZ color 37.1671, 63.3215,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.1671, 63.3215, 46.3398

Protanopia

57.8630, 61.9392, 38.6115

Deuteranopia

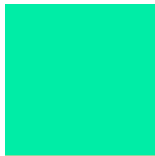
63.4212, 62.1191, 49.2050



Tritanopia

47.2588, 63.2362, 96.1012

Trichromacy



Original Color

37.1671, 63.3215, 46.3398



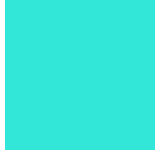
Protanomaly

41.8832, 57.7227, 40.8324



Deuteranomaly

44.0031, 57.1464, 47.7409



Tritanomaly

42.3358, 62.8135, 74.8586

Monochromacy



Original Color

37.1671, 63.3215, 46.3398



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.5702, 40.8806, 40.0504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1671, 63.3215, 46.3398 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 237, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 237, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.1671, 63.3215, 46.3398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 237, 166) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 237, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 237, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1671, 63.3215, 46.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 237,  
166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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